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SENSOR SERIAL NUMBER: 0352
CALIBRATION DATE: 30-Jan-22

Glider APL TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.42250506e-003
h = 6.49709022e-004
i = 2.67372141e-005
j = 3.32405387e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	3478.781	0.9999	-0.00008
4.5000	3757.103	4.5001	0.00014
15.0000	4686.804	15.0000	-0.00005
18.5000	5029.516	18.4999	-0.00014
23.9999	5602.503	24.0000	0.00010
29.0000	6160.763	29.0001	0.00012
32.5000	6573.134	32.4999	-0.00010

f = Instrument Output (Hz)

Temperature ITS-90 (°C) = $1/\{g + h[\ln(f_0 / f)] + i[\ln^2(f_0 / f)] + j[\ln^3(f_0 / f)]\} - 273.15$

Residual (°C) = instrument temperature - bath temperature

